

Title (en)

A BIOCOMPATIBLE, BIODEGRADABLE AND BIORESORBABLE ADHESION MEMBRANE INCLUDING HYALURONIC ACID / CHITOSAN / CARBOXYMETHYL CELLULOSE AND PRODUCTION METHOD

Title (de)

BIOKOMPATIBLE, BIOLOGISCH ABBAUBARE UND BIORESORBIERBARE HAFTMEMBRAN MIT HYALURONSÄURE/CHITOSAN/CARBOXYMETHYLCELLULOSE UND HERSTELLUNGSVERFAHREN

Title (fr)

MEMBRANE D'ADHÉRENCE BIOCOMPATIBLE, BIODÉGRADABLE ET BIORÉSORBABLE COMPRENANT DE L'ACIDE HYALURONIQUE/CHITOSANE/CARBOXYMÉTHYLCELLULOSE ET PROCÉDÉ DE PRODUCTION

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Application

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Abstract (en)

[origin: WO202226587A1] The present invention relates to biocompatible, biodegradable and bioabsorbable anti-bleeding adhesion barrier membranes that are used to prevent tissue and organ adhesions after surgery and contain hyaluronic acid / chitosan / carboxymethyl cellulose. The aim of the invention is to solve the agglomeration problem by converting a part of the amine group in the chitosan structure to carboxylic acid by transforming a part of the amine group in the chitosan structure into carboxylic acid in order to prevent agglomeration due to the mixture of positively charged chitosan and negatively charged hyaluronic acid and carboxymethyl cellulose, which are different ionic charged polysaccharides. Also, the aim of this invention is the use of triple combination in the same formulation without agglomeration and to provide adhesion barrier membranes.

IPC 8 full level

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